

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052820\  
 Data File : VX016483.D  
 Acq On : 28 May 2020 14:23  
 Operator : JC/SP  
 Sample : L2786-02 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LG-C

Quant Time: Jun 02 09:50:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 304547   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 493829   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 485928   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 242559   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 181599   | 48.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.04%  |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 143390   | 47.16 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.32%  |      |
| 50) Toluene-d8              | 8.70   | 98  | 611417   | 51.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.32% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 245514   | 53.69 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.38% |      |

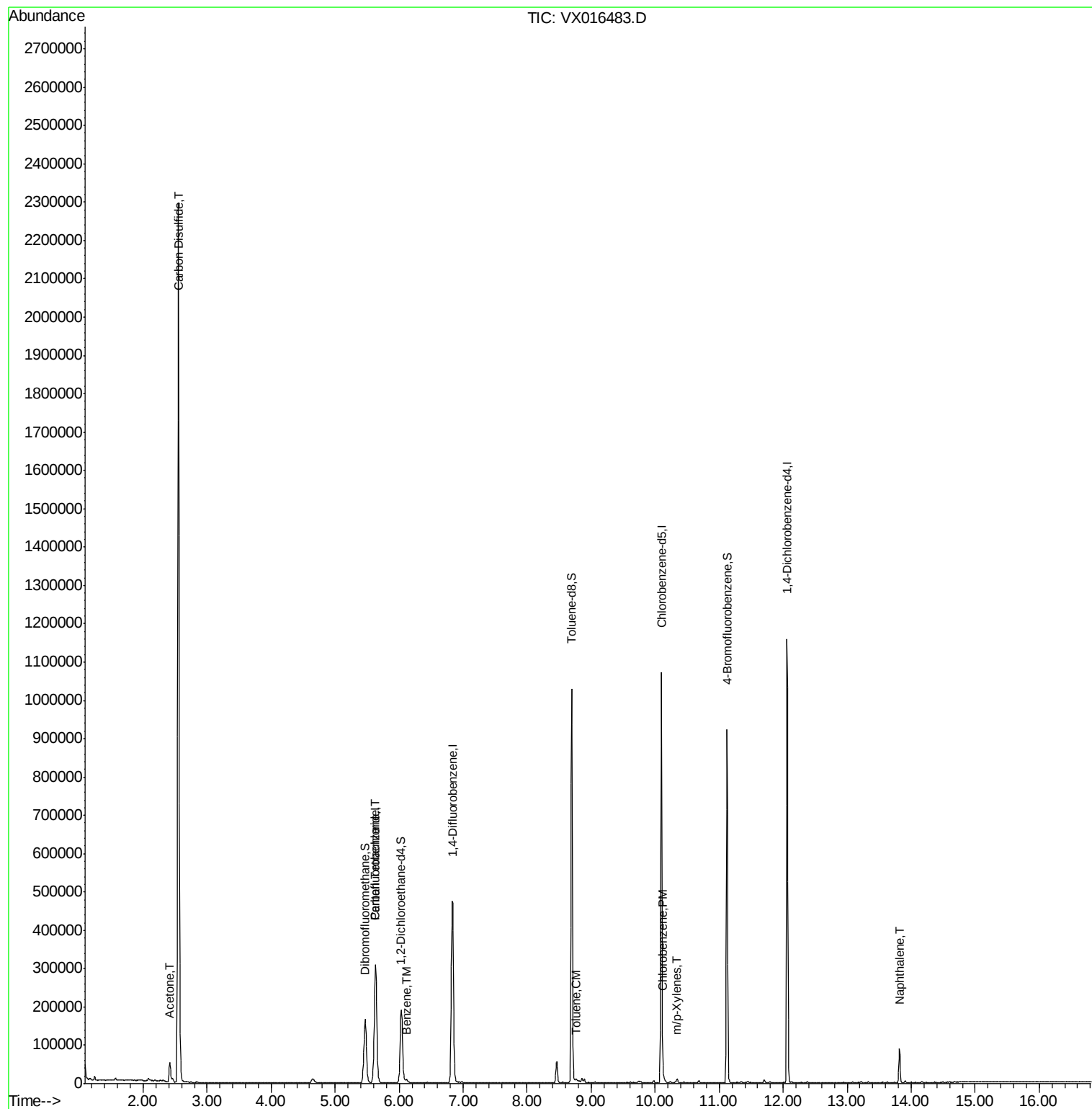
| Target Compounds         | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------|-------|------|----------|--------|--------|--------|
| 16) Acetone              | 2.42  | 43   | 54202    | 32.71  | ug/l   | 98     |
| 17) Carbon Disulfide     | 2.55  | 76   | 2860682  | 328.73 | ug/l   | 100    |
| 38) Carbon Tetrachloride | 5.64  | 117  | 29188    | 5.94   | ug/l # | 16     |
| 40) Benzene              | 6.12  | 78   | 9291     | 0.67   | ug/l   | 93     |
| 52) Toluene              | 8.77  | 92   | 1787     | 0.20   | ug/l   | 97     |
| 65) Chlorobenzene        | 10.12 | 112  | 5249     | 0.53   | ug/l   | 89     |
| 68) m/p-Xylenes          | 10.34 | 106  | 2206     | 0.34   | ug/l   | 97     |
| 95) Naphthalene          | 13.82 | 128  | 51673    | 3.07   | ug/l   | 99     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LG-C

Quant Time: Jun 02 09:50:11 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 27 16:31:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

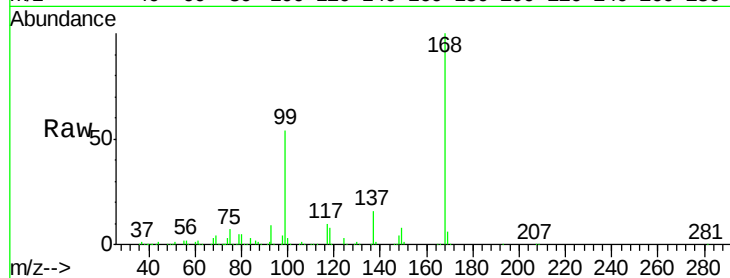
LG-C

Tgt Ion:168 Resp: 304547

Ion Ratio Lower Upper

168 100

99 53.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

60000

40000

20000

0

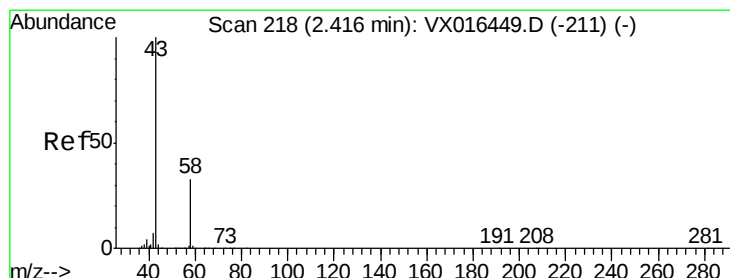
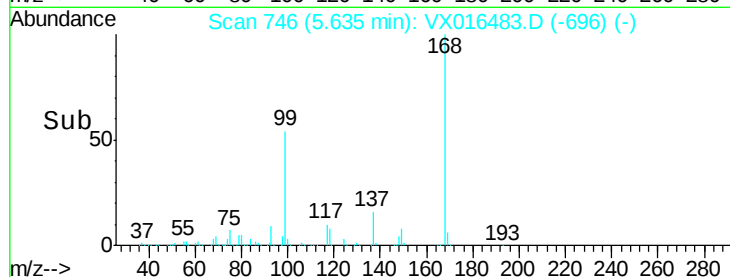
5.50

5.60

5.70

5.80

Time-->



#16

Acetone

Concen: 32.71 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016483.D

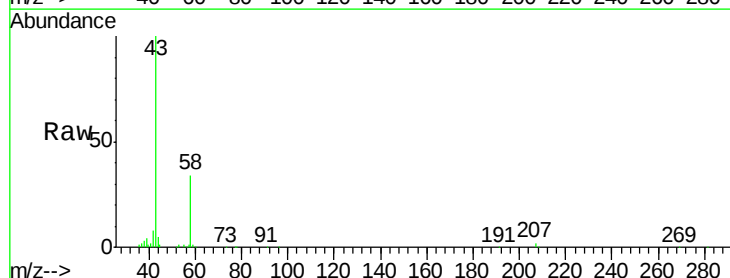
Acq: 28 May 2020 14:23

Tgt Ion: 43 Resp: 54202

Ion Ratio Lower Upper

43 100

58 33.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

30000

20000

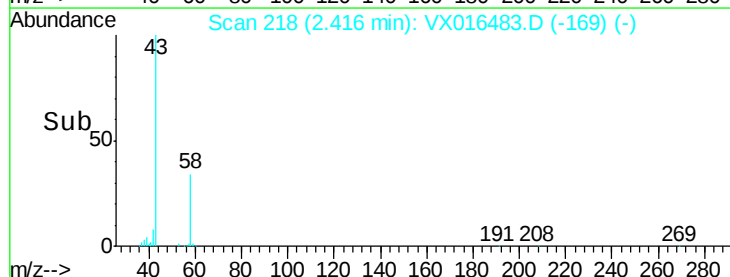
10000

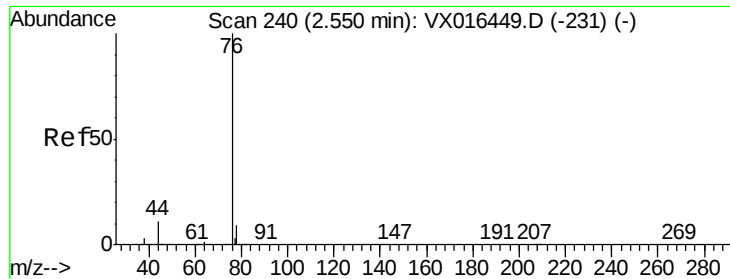
0

2.40

2.50

Time-->





#17

Carbon Disulfide

Concen: 328.73 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

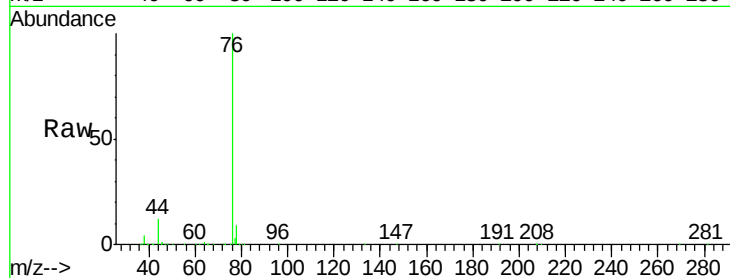
LG-C

Tgt Ion: 76 Resp: 2860682

Ion Ratio Lower Upper

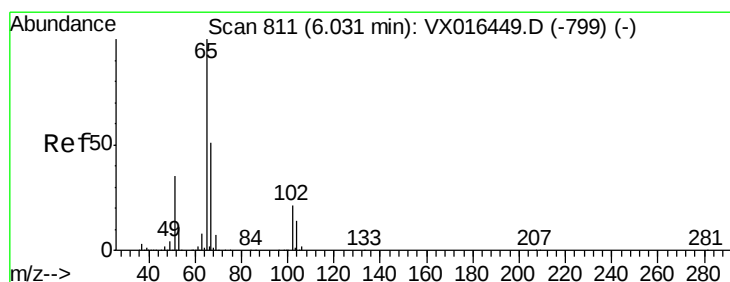
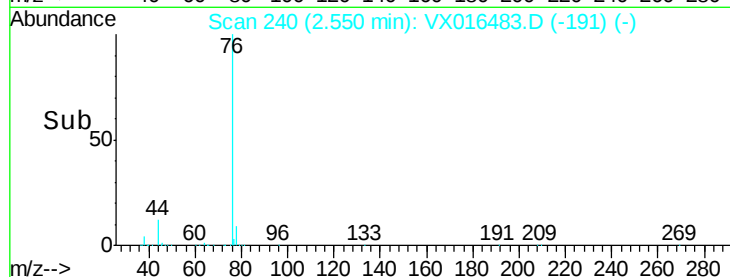
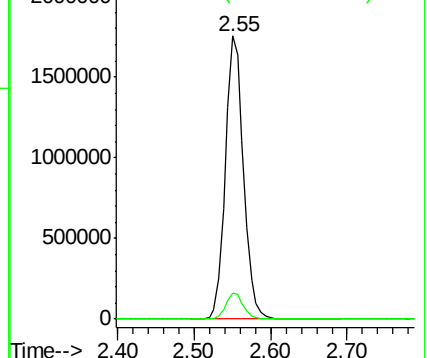
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.02 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016483.D

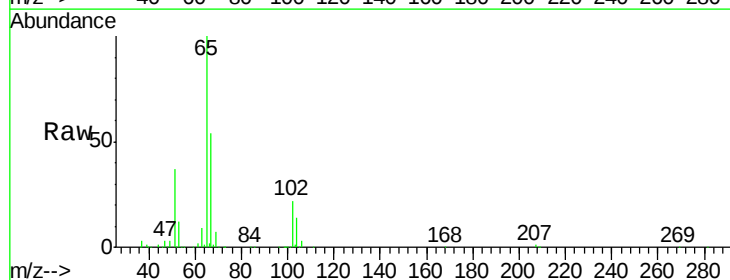
Acq: 28 May 2020 14:23

Tgt Ion: 65 Resp: 181599

Ion Ratio Lower Upper

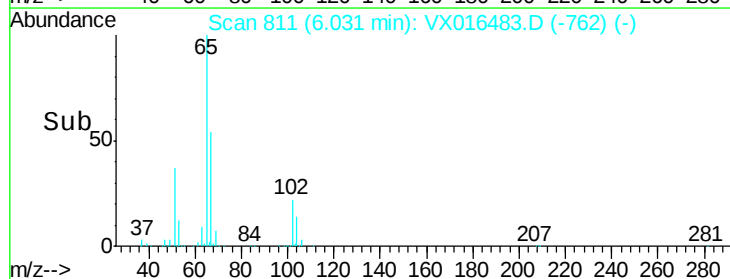
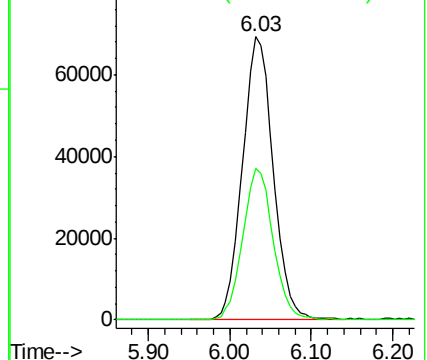
65 100

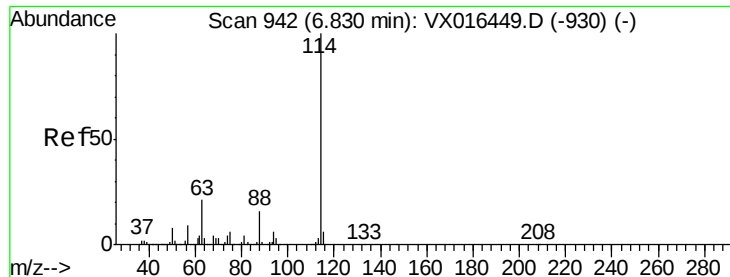
67 53.0 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

LG-C

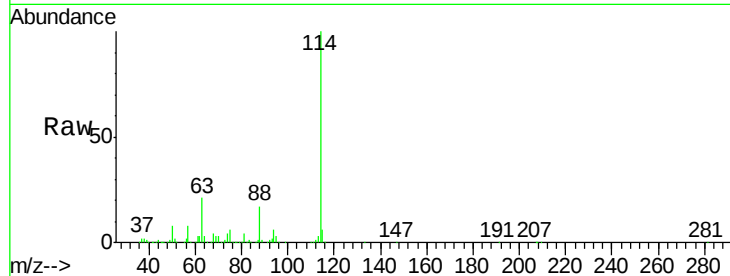
Tgt Ion:114 Resp: 493829

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

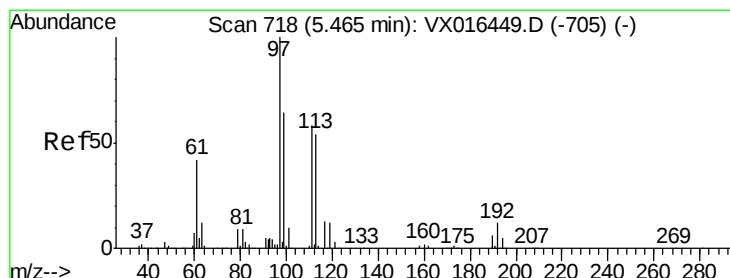
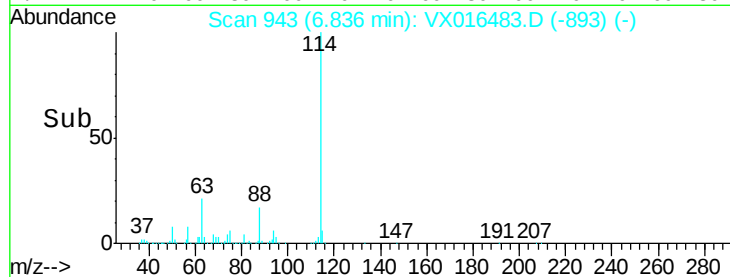
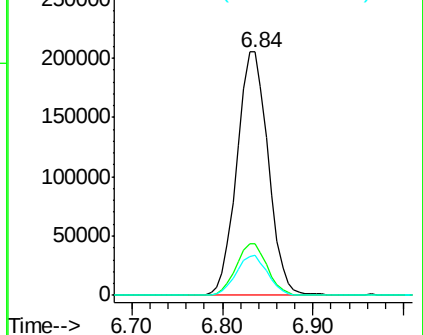
88 16.6 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.16 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

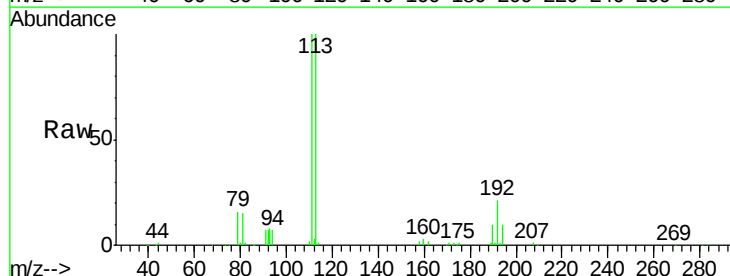
Tgt Ion:113 Resp: 143390

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.6

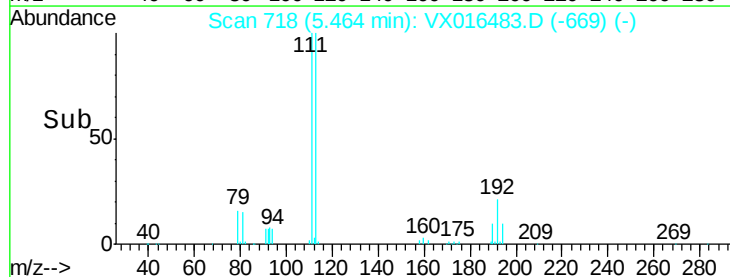
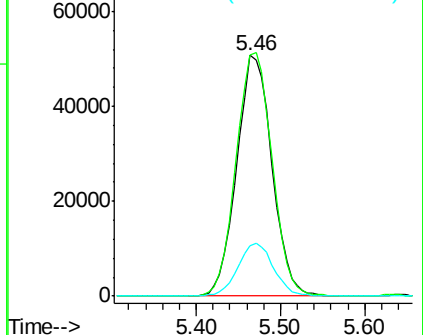
192 22.1 17.7 26.5

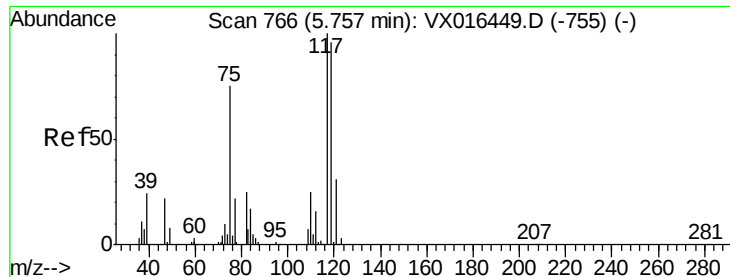


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

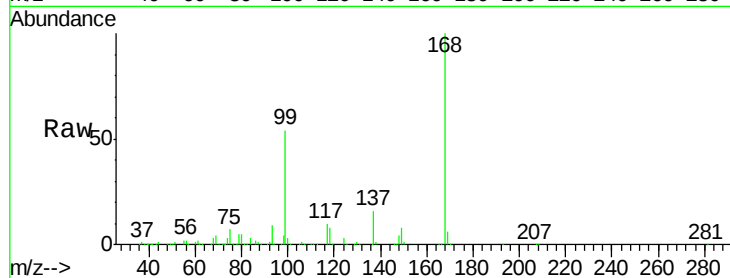




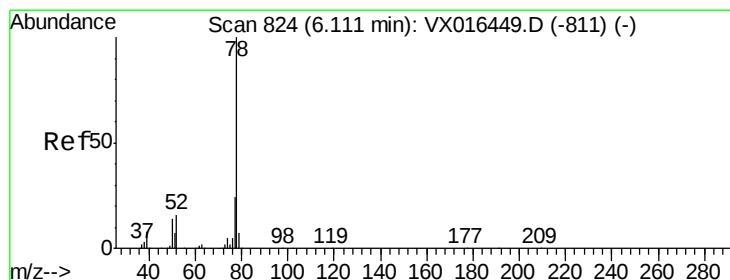
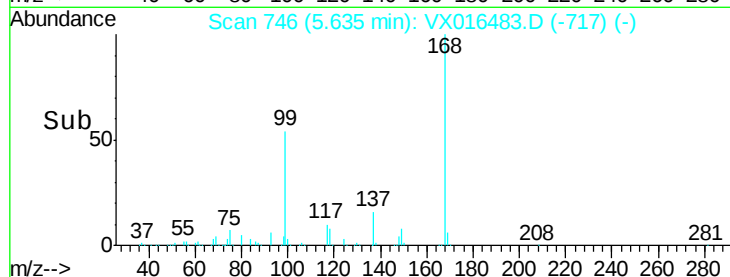
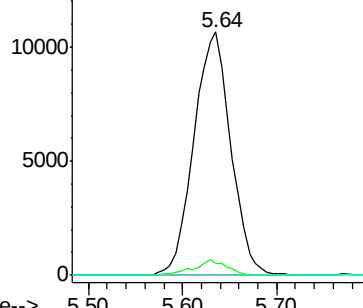
#38  
Carbon Tetrachloride  
Concen: 5.94 ug/l  
RT: 5.64 min Scan# 746  
Delta R.T. -0.12 min  
Lab File: VX016483.D  
Acq: 28 May 2020 14:23

Instrument :  
MSVOA\_X  
ClientSampled :  
LG-C

Tgt Ion:117 Resp: 29188  
Ion Ratio Lower Upper  
117 100  
119 5.0 76.3 114.5#  
121 0.0 24.6 37.0#

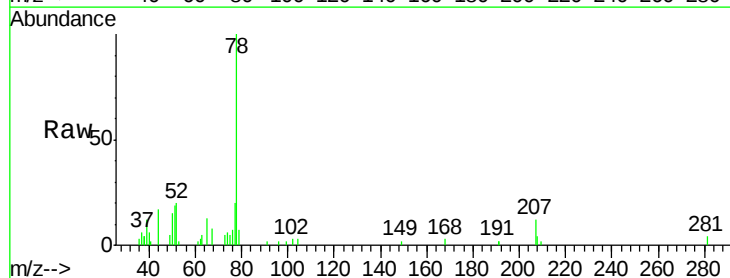


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

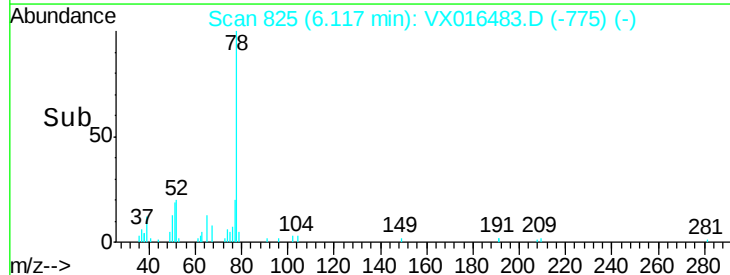
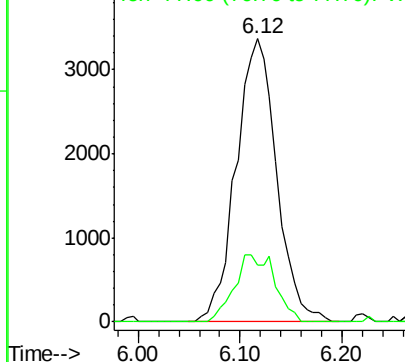


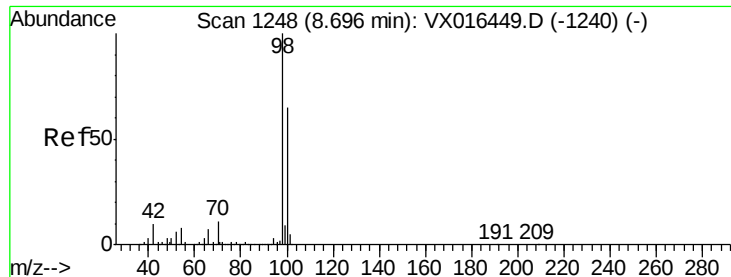
#40  
Benzene  
Concen: 0.67 ug/l  
RT: 6.12 min Scan# 825  
Delta R.T. 0.01 min  
Lab File: VX016483.D  
Acq: 28 May 2020 14:23

Tgt Ion: 78 Resp: 9291  
Ion Ratio Lower Upper  
78 100  
77 20.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 51.66 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA\_X

ClientSampled :

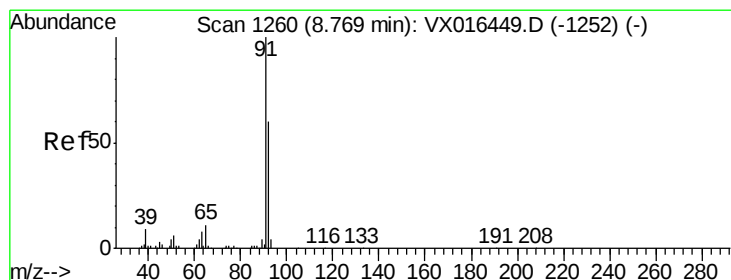
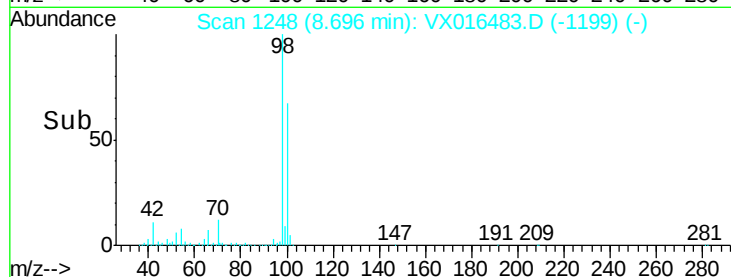
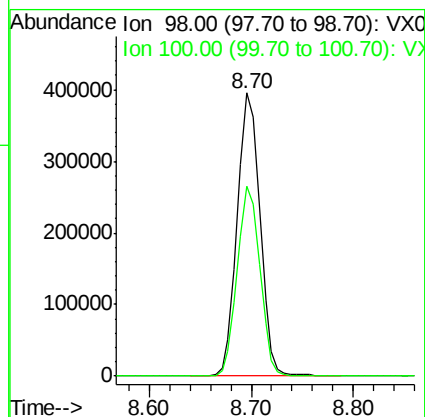
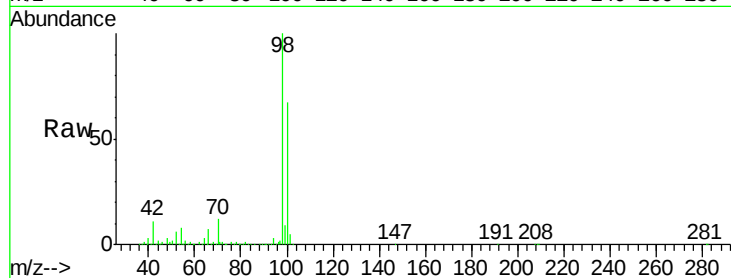
LG-C

Tgt Ion: 98 Resp: 611417

Ion Ratio Lower Upper

98 100

100 67.0 53.8 80.6



#52

Toluene

Concen: 0.20 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016483.D

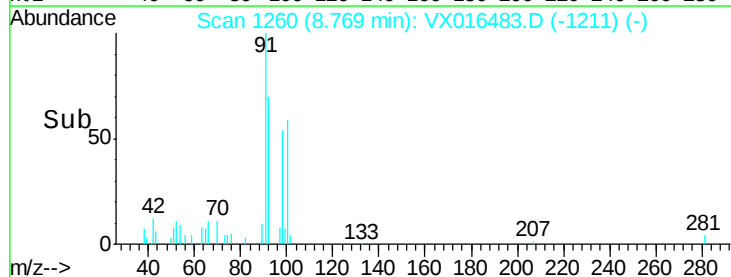
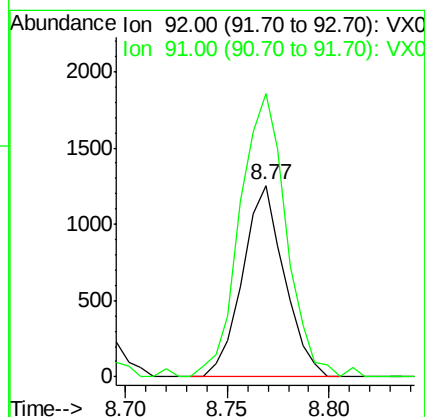
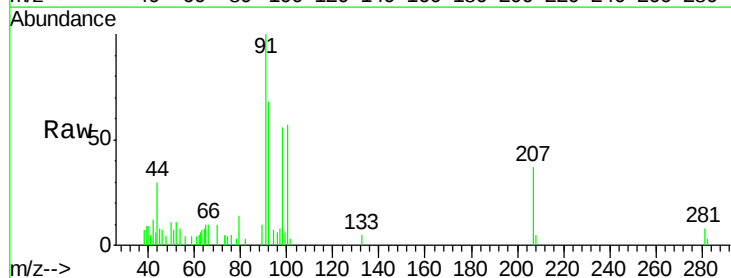
Acq: 28 May 2020 14:23

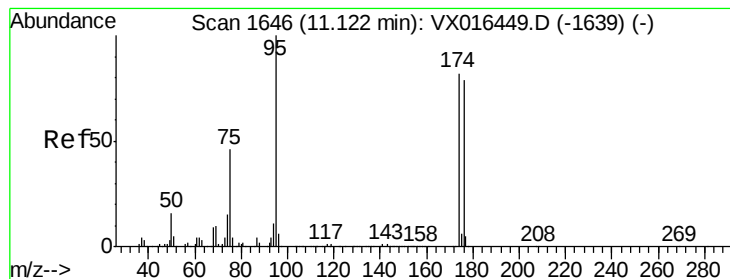
Tgt Ion: 92 Resp: 1787

Ion Ratio Lower Upper

92 100

91 164.0 135.0 202.4





#62

4-Bromofluorobenzene

Concen: 53.69 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA\_X

ClientSampled :

LG-C

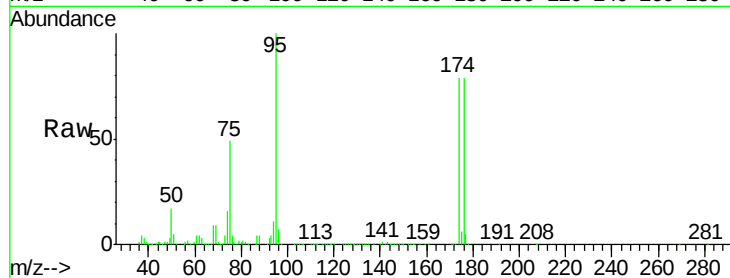
Tgt Ion: 95 Resp: 245514

Ion Ratio Lower Upper

95 100

174 81.4 0.0 163.0

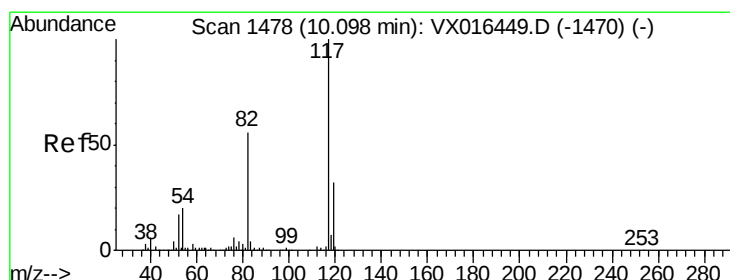
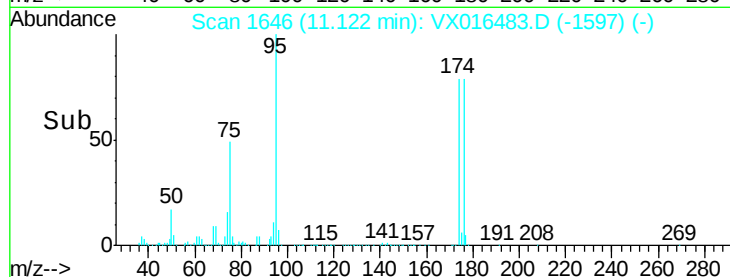
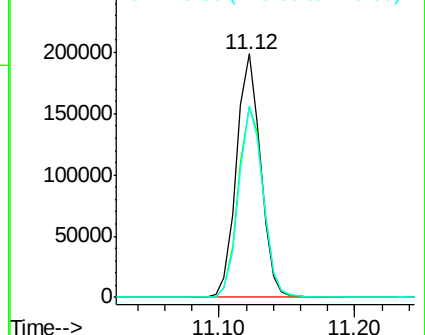
176 79.1 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

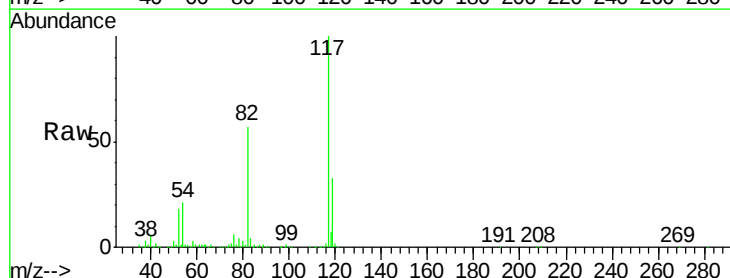
Tgt Ion: 117 Resp: 485928

Ion Ratio Lower Upper

117 100

82 57.3 45.0 67.6

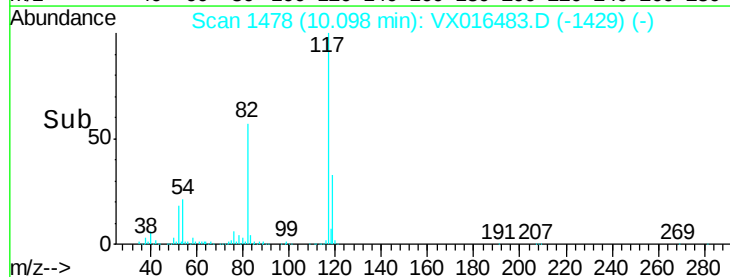
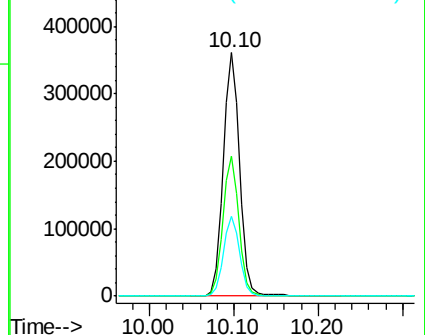
119 32.6 25.8 38.8

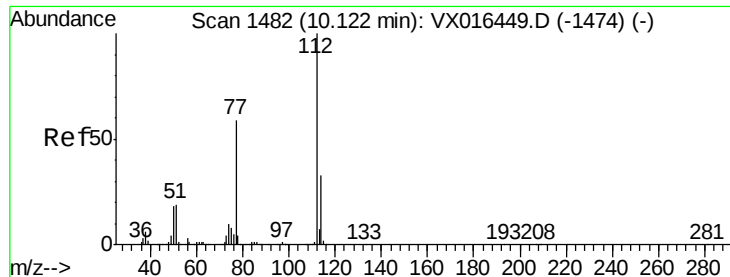


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 0.53 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA\_X

ClientSampled :

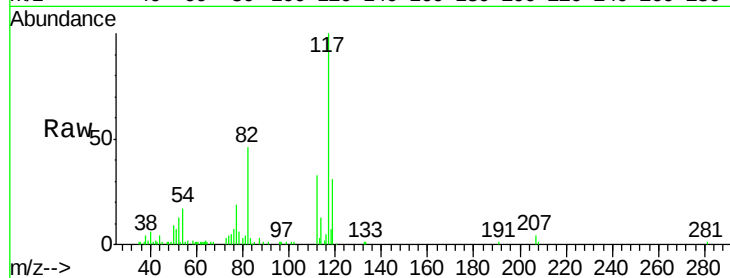
LG-C

Tgt Ion:112 Resp: 5249

Ion Ratio Lower Upper

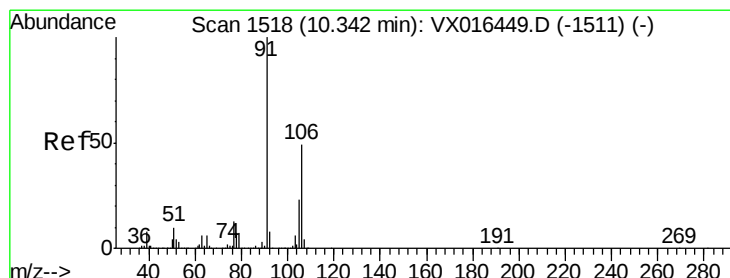
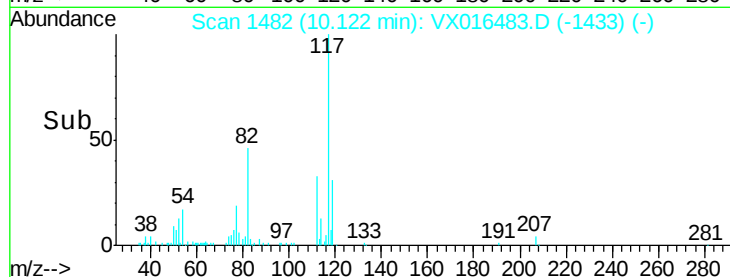
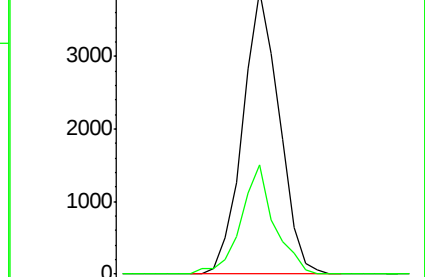
112 100

114 38.7 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.34 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016483.D

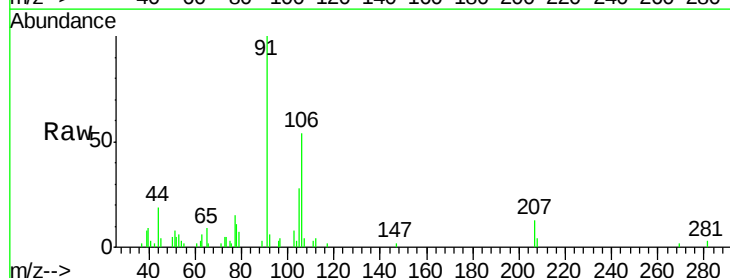
Acq: 28 May 2020 14:23

Tgt Ion:106 Resp: 2206

Ion Ratio Lower Upper

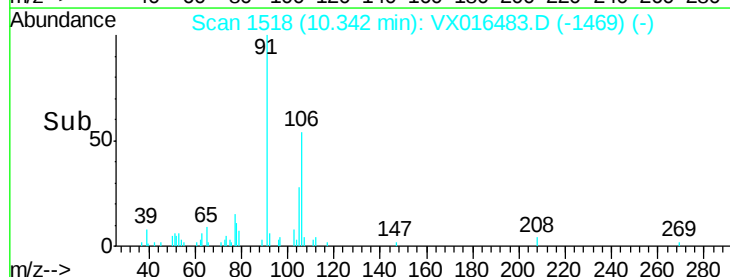
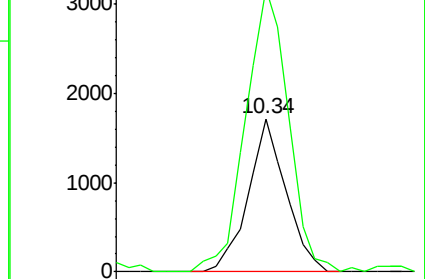
106 100

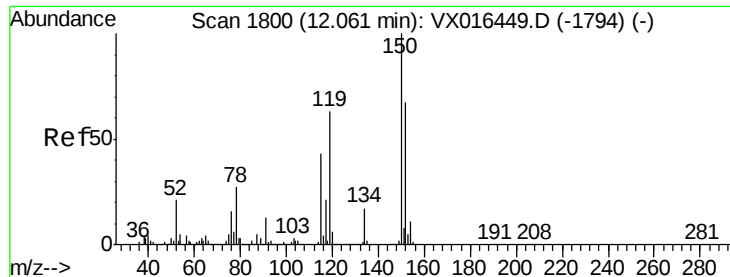
91 209.0 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

Instrument :

MSVOA\_X

ClientSampleId :

LG-C

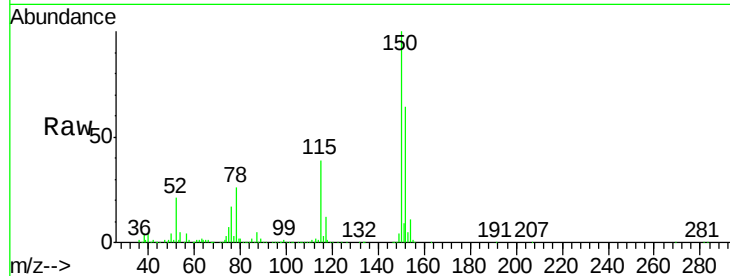
Tgt Ion:152 Resp: 242559

Ion Ratio Lower Upper

152 100

115 58.1 39.9 119.6

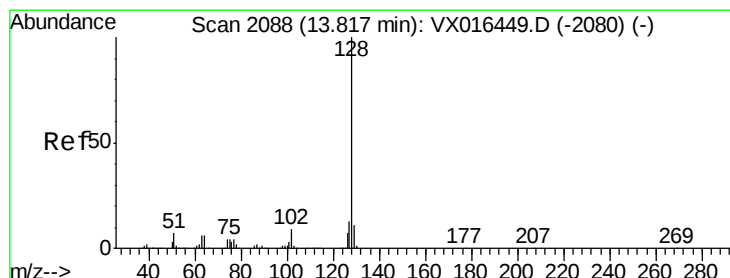
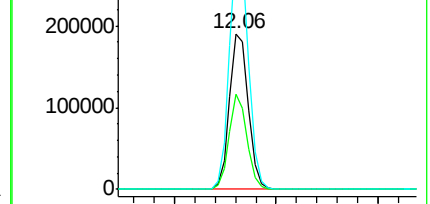
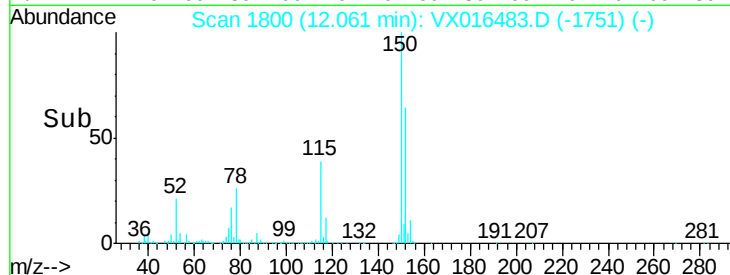
150 156.1 0.0 341.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 3.07 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016483.D

Acq: 28 May 2020 14:23

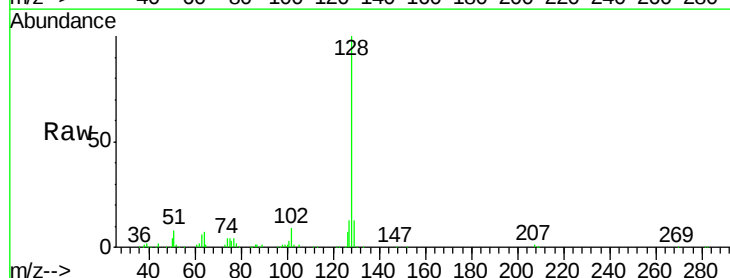
Tgt Ion:128 Resp: 51673

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

